KRYLOV, Vladimir Ivanovich; OZOLIN, A.K., inshener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Antomatic locomotive brakes] Avtotornosa lokomotivov. 3-e isd, ispr. i dop. Moskva, Gos. transp. shel-dor. isd-vo, 1954. 383 p. (Locomotives--Brakes) (MIRA 8:3)

KLYKOV, Yevgeniy Vladimirovich; ERYLOV, Vladimir Ivanovich; VINOGRADOV,
Vasiliy Mikhaylovich; BRAYLOVSKIY, N.G., inzhener, redaktor;
YUDZON, D.M., tekhnicheskiy redaktor

[MTZ-135 Matrosov system automotive brakes] Avtomaticheskii
tormoz sistemy matrosova MTZ-135. Moskva, Gos. transp. shel.-dor.
izd-vo, 1956. 146 p.

(Railroads--Brakes)

Constitution of the second sec

1-2-1-2 TO FORM PLACEMENT MARRIAGE

KRYLOV. Yladimir Ivanovich; OZOLIN, A.K., inzhener, redaktor; BERINA, G.P., tekhnicheskiy redaktor

[Automatic brakes of locomotives] Avtetormoza lokomotivov. Izd. 4-os. ispr. i dop. Moskva, Gos. transp.shel-dor. izd-vo, 1956. 378 p.
(Brakes) (Locomotives) (MLRA 9:12)

### "APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826830005-9

TRYLOY. Vladimir Ivenovich: PEROV, Aleksandr Nikitich; OZOLIN, Aleksandr Arrlovich; BAKANTSEV, Tu.S., red.; VKRINA, G.P., tekhn.red.

[Handbook on brakes] Spravochnik po tormozam. Moskva, Gos. transp.zhel-dor. izd-vo, 1957. 595 p. (MIRA 11:2) (Railroads—Brakes)

PERO", A.H., inzh., ERYLOV. Value inzh.

270-002 air-fractionating apparatus. Elsc. i tspl. tioga 2 no.10:
7-11 0 158.

(HIRA 11:11)

(Air brakes)

1000年的1000年中的政治的1000年的1000年的1000年的1000年

GRINIO, Vyacheslav Adol'fovich; KRYLOV, Yladimir Ivanovich; OZOLIN,
Aleksandr Karlovich; KLYKOV, Ye.V., kand.tekhn.nauk, red.;
VERINA, G.P., tekhn.red.

[Faucets of a railroad engineer; provisory numbers 222 and 254] Krany mashinista; uslovnye nomera 222 i 254. Moskva, Gos.transp.shel-dor.izd-vo, 1959. 44 p. (MIRA 12:12) (Railroads-Brakes)

OZULIH, A.K., insh.; KRYLOV, V.I., insh.

Air-fractionating apparatus No. 292 used for passenger trains.

Elek. i tepl.tiaga 3 no.1:23-26 Ja '59. (MIRA 12:2)

(Railroads--Brakes)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9"

KRYLOV, Vladimir Ivanovich; OZOLIN, Aleksandr Karlovich; BRAYLOVSKIY, N.G., insh., red.; KHITROVA, W.A., tekhn.red.

[New air distributor for passenger trains] Novyi vosdukhoraspredelitel<sup>1</sup> dlia passashirskikh poezdov. Moskva, Vses.izdatel<sup>1</sup>sko-poligr.ob<sup>R</sup>edinenie M-va putei soobshcheniia, 1960. 46 p.

(MIRA 13:6)

(Railroads--Brakes)

作下的作品的智能的程序的体验的排除品格的态度。1955年表现

KRYLOV, Vladimir Ivanovich; OZCLIN, A.K., insh., red.; BOHROVA, Ye.H., tekhn.red.

[Locomotive brakes] Tormosa lokomotivov. Moskva, Vses.isdatel'sko-poligr.ob"adinenie M-va putei soobshcheniis, 1960. 299 p. (MIRA 14:1)

RAKOV, Vitaliy Aleksandrovich; GOKHSHTEYN, B.Ya., kand. tekhn. nauk, retsenzent; KRYLOV, V.I., ingh., retsenzent; LOZANOVSKIY, A.L., ingh., retsenzent; NAKHODKIN, M.D., kand. tekhn. nauk, retsenzent; NEVEZHIN, P.P., inzh., retsenzent; TARASOV, G.F., inzh., retsenzent; TIKHMENEV, B.N., doktor tekhn. nauk, retsenzent; SAZONOV. I.A., inzh., retsenzent; SUKHODOL'SKIY, P.I., inzh., retsenzent; KRYLOV, S.K., inzh. red.; DANILOV, L.H., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[A.C. electric locomotives] Elektrovozy peremennogo toka. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 531 p. (MIRA 14:10)

(Electric locomotives)

KRYLOV, V.I.; OZOLIH, A.K.

Discussion of Boiko and Senderov's article "Is there a need for emergency brake accelerators on freight trains." Elek.i tepl.tiaga 5 no.11:30-31 N '61. (MIRA 14:11)

1. Nachal'nik tormoznoy laboratorii Moskovskogo tormozn**o**go zavoda (for Krylov). 2. Zamestitel' glavnogo konstruktora Moskovskogo tormoznogo zavoda (for Ozolin).

(Railroads- Brakes)

QRINIO, Vyacheslav Adol'fovich; KRYLOV, Vladimir Ivanovich; OZOLIN, Aleksandr Karlovich; INOZEMISEV, V.G., kand. tekhn.neuk, red.; VOROTNIKOVA, L.F., tekhn. red.

> [Engineer's valves]Krany mashinista. Izd.2., dop. Moskva, Transzheldorizdat, 1962. 74 p. (MIRA 15:11) (Locomotives-Valve-gears)

ZAV YALOV, G.N.; KRYLOV, V.I.; OZOLIN, A.K.; RUDKOV, G.V.; KHATSKELKVICE, M.N., inzh.

Rephies to the inquiries of our readers. Klekel tepletiaga 7 no.1243-44 Ja 163. (MIRA 1652)

1. Clavnyy tekhnolog po avtotormosam Glavnogo upravleniya 16komotivnogo khozyaystva Ministerstva putey soobshchemiya (for Zav'yalov). 2. Rachal'nik tormosmoy laboratorii Moskovskogo tormosmogo
zavoda (for Krylov). 3. Zamestitel' nachal'nika spetsial'nogo
konstruktorskogo byuro Moskovskogo formosmogo zavoda (for Osolin).
4. Zamestitel' nachal'nika proyektno-tekimologicheskogo otdala po
rementu i ekspluatatsii teplovosov pri zavode im. Il'icha (for
Rudkov).
(Railroads-Signaling) (Diesel locomotives)

RAKOV, Vitaliy Aleksandrovich; KALININ, S.S., inzh., retsenzent; SUSLOV, B.V., inzh., retsenzent; NAKHODKIN, M.D., kand. tekhn. nauk, retsenzent; FAMINSKIY, G.V., kand.tekhn. nauk, retsenzent; ROGOVA, Ye.N., inzh., retsenzent; KRYLOV, V.I., inzh., retsenzent; NOVIKOV, V.N., inzh., retsenzent; GORELIK, I.A., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Series ChS2 electric locomotive for passenger trains]
Passazhirskii elektrovoz serii ChS2. Moskva, Transzheldorizdat, 1963. 359 p. (MIRA 17:1)

KRYLOV, Vladimir Ivanovich; TOLKACHEV, Vasiliy Prokof'yevich;
SAZONOV, A.G., red.

[Automatic brakes] Avtomaticheskie tormoza. Moskva, Izdvo "Transport," 1964. 286 p. (MIRA 17:8)

# "APPROVED FOR RELEASE: 06/14/2000 CIA-RI

CIA-RDP86-00513R000826830005-9

KayLov, V.1.; AdLyok, T.H.

Convergence of quadrature processes containing the values of derivatives of integrable functions. Dokl. AN SDSA 7 no.11:721-723

N 163. (EIRA 17:9)

1. Institut matematiki i vyschislitelinov techniki &- .dSh.

KRYLOV, V.I., doktor fisiko-matem. nauk

Reviews and bibliography. Dif. urav. 1 no.8:1117-1124 Ag '65.
(MIRA 18:9)

L 1619-66

ACCESSION NR; AP5017764

UR/0216/65/000/0014/05142/0549

AUTHOR: Alikhanyan, S. I.; Grinberg, K. N.; Krylov, V. N.; Maysuryan, A. N.; Oganosyan, M. G.

20

TITLE: Temperature-sensitive (ts) mutants of bacteriophage The

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965, 542-549

TOPIC TAGS: bacterial genetics, biochemistry, temperature characteristic

ABSTRACT: A new method of inducing temperature-sensitive bacteriophage The mutants with disturbed synthesis of various enzymes, particularly those required for DNA synthesis, is described. E. coli B strains were infected with bacteriophage The and cultivated In a broth using 2,6-diaminopurine, hydroxylamine, ultraviolet light, and 5-bromouracil as mutagenic agents. Mutants were selected from a total of 298 colonies by methods of absolute selection, minute-phenotype, and antiphage serum. In contrast to phage The, the mutants behave differently at 27 and 42 C. Hydroxylamine with

Card 1/2

L 1619-66

ACCESSION NR: AP5017764

antiphage serum yielded a high percentage (15-20%) of ts-mutants. Preliminary classification of the ts-mutants by a complementation test divided them into 50 groups. Some groups had 4-7 mutants, others 2, and the majority one. A physiological study of the ts-mutants showed that their thermal sensitivity is related to the thermolability of the intracellular developmental stages. Differences were found in mutant inactivation kinetics when applying the one step growth cycle according to Adams at 42 C. On the basis of these differences the mutants may be divided into 4 phenotypes. The fact that these mutants were preliminarily distributed over 50 groups indicates that many genes are affected by mutations. The tests confirmed the assumption that conditionally lethal mutations may be induced from the bacteriophage T4B. Orig. art. has: 6 tables and 2 figures.

ASSOCIATION: Institut atomnoy energii im. I. V. Kurchatova (Institute of Atomio Energy)

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OTHER: 006

Card 2/2 JD

CIA-RDP86-00513R000826830005-9"

RRYLOV, V.K., inzh (Rostov-na-Donu)

Designing frames using the method of finite coefficients of distribution. Issl. po teor. socruzh. no.8:351-382 '59.

(Structural frames)

(NIRA 12:12)

KRYLOV, V.K., inzh, (Rostov-na-Donu)

Designing elastic rods using the approximation method. Issl. po teor. scoruzh. no.8:447-460 '59. (MIRA 12:12) (Elastic rods and wires)

MRYLOV, V.K. (Rostov-na-Domi)

Design of frames with a large number of joints. Stroi.mekh.1 rasch.
soor. 3 no.2:22-28 '61. (MIRA 14:5)

(Structures, Theory of)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9"

AUTHOR:

Zuyev, M.A., Engineer Krylov, V.L., Engineer.

sov/100-58-5-11/15

TITLE:

Universal Hand-operated Tackle RUL-1,5. (Ruchnaya

universal'naya lebedka RUL-1.5).

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1958, Nr 5, pp 30-31.

ABSTRACT:

The Central Experimental Factory designed and tested this universal tackle RUL-1,5, manipulated by a handlever and based on the principle of a continuous chain. In working, this tackle could be in horizontal, vertical or inclined positions. Technical data is given and the mechanism is described and illustrated in Figure 1. The handle c a n be of two lengths, one 800mm and the other 1,200mm long. This tackle c n n be used for the lifting of various loads, in workshops, stores, during assembly and in forestry. There are three figures.

1. Hoists--Design

Card 1/1

KRYLOV, V. M., Cand Agr Sci -- (diss) "Raising of calves under different levels of milk nutrition." Pushkin, 1957.

17 pp (Min Agr USSR, Len Agr Inst), 100 copies (KL, 1-58, 120)

- 77 -

USSR / Discases of Farm Animals. Discases Caused by Protozoa.

R

Aba Jour

: Rof Zhur - Biologiya, No 2, 1959, No. 7477

Author

Krylov, V. M.

Inst

: Sciontific Research Institute of Animal Husbandry

and Votorinary Science, Tadzhik SSR

Titlo

; The Spreading of Coccidia in Shoop of the Tadzhik

93 F

Orig Pub

: Tr. N.-i. in-ta zhivotnovodstva i veterinarii.

TodzhSSR, 1957, 1, 187-192

Abstract

: No abstract given

Card 1/1

28

## "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9

KRYLOV, Vladimir Mikhaylovich, kand.sel\*skokhoz.nauk; BOLOGOV, G.N., red.; BARANOVA, L.G., tekhn.red.

[Reising calves] Vyrashchivenie teliat. Moskva, Gos.izd-vosel'khoz.lit-ry, 1959. 99 p. (MIRA 14:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9"

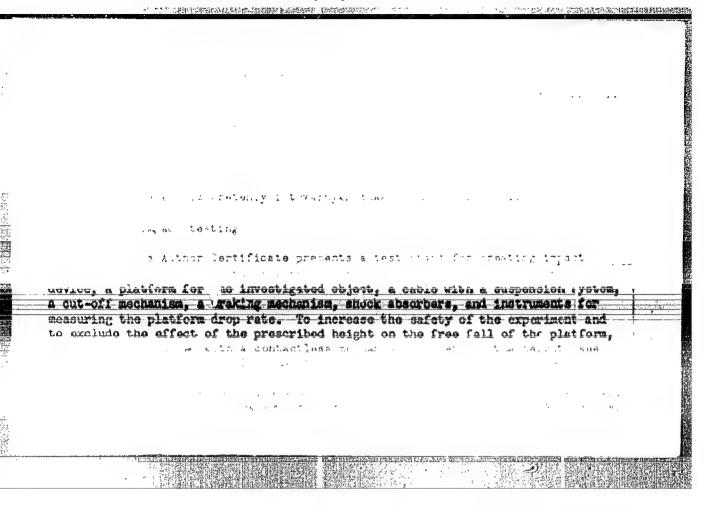
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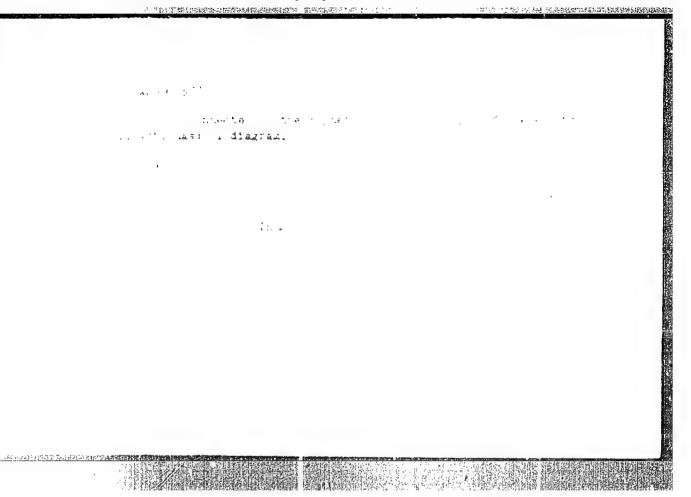
DMITROCHENKO, Aleksandr Petrovich, doktor sel'khos. nauk; NAUMOV, Petr Andreyevich, doktor sel'khoz.nauk; KRYLOV, Vladimir Mikhaylovich, kand. sel'khoz. nauk; PARKHOMENKO, V.S., red.; PRESNOVA, V.A., tekhn. red.

[Feeding suckling pigs] Podkoraka porosiat pod matkami. Leningrad, Lenizdat, 1963. 20 p. (MIRA-16:6) (Swine—Feeding and feeds)

#### "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9



## "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9



"The Fight Against Rodents," V. Krylov  "Yauka 1 Zhizn" Vol XVIII, No 10, p 40  "Yauka 1 Zhizn" Vol XVIII, No 10, p 40  Peschanka poludennaya and peschanka grebenshchikovaya  Arodents of the subfamily Gebrillinas represent a  Arodents of the subfamily Gebrillinas represent a  Arodents of the subfamily Gebrillinas they may danger in the Astrakhan' steppes because they may transmit dargerous infectious diseases N. Tropin, transmit dargerous infectious diseases N. Tropin, terminate these rodents. Hundreds of thousands of terminate these rodents. Hundreds of thousands of therminate these rodents and the remover vith herteres of steppe were trusted in this manner with the results that 70-100% of the rodents died. Torpin on the subject. They were rewarded with a Stalin prize in 1951.	VINTION, VIN
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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9"

Jul/Aug 52 ctions of the Or- v, Mil Wed Acad ysiol and Pathol of for Advanced Ing of	vol 2, No 4, pp 547-560 cularly when dynamic stereo-offer sufficient ground to actions, as in defensive reactorical dependence is extremely 234544	Exptl data obtained by inducing ric reactions with the aid of partical component is necessarily ill phenomena which form the imtral relationships that are rests to the significance and perich were directed toward the particularly great part that the activity.	4.4Tut.
USSR/Medicine - Immunology "Role of the Cortex in Immune Reactions ganism," A. O. Dolin, V. N. Krylov, Milimeni S. M. Kirov and Chair of Physiol aligher Nervous Activity, Cen Inst for Apprecians	"Zhur Vyssh Nerv Deyst" Vol 2, No 4, pp 547-560 Results of expts, particularly when dynamic ste types are established, offer sufficient ground think that in immune reactions, as in defensive tions of an organism, cortical dependence is exti	intensive and firm. Exptl data obtained by inducing finamological and toxic reactions with the aid of conditional irritants furnishes the basis for confirmation that the cortical component is necessarily munological reaction, strengthening or weakening it depending on intercentral relationships that are formed. All this attests to the significance and perfectivity of expts which were directed toward the study of the defensive, protective role of the nervous system and the particularly great part that the cortex plays in that ectivity.	
Sauth			KHALOA' A' R'

## "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9

Faysiological fundamentals of the Vaccinal Process. Agen. o-resitsinskiy Zhurnal, no 1, p h8, 1955

#### KRYLOV, V.H.

Possibilities of conditioned reflex regulation of immunologic reaction; on the writings of P.F.Zdrodovskii, A.A.Klimentova, G.V.

Shumakova, Zhur.mikrobiol.epid. i immun. 27 no.5:97-101 My \*56.

(REFLEX, CONDITIONED (MERA 9:8)

eff. on antibody form.)

(ANTIGENS AND ANTIBODIES

antibody form., eff. of conditioned reflex)

# "APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826830005-9

USSR/General Problems of Pathology - Immunity.

u

Abs Jour

: Ref Zhur Biol., No 5, 1959, 22660

Author

: Krylov, V.N.

Inst

Title

: On Methodical Bases of Study of the Role of Higher

Regions of CNS in the Production of Specific Antibodies. (To the Discussion on Nervous Mechanisms of Immunity).

Orig Pub

: Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 5,

136-140

Abstract

: No abstract.

Card 1/1

#### "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9

KRYLOV, V.N.

हर्तिकार होता है जिसके हैं कि है के लिए हैं कि है के लिए हैं कि है कि है कि है कि है कि है कि है के लिए हैं कि इस कि है Methodical principles for studying the role of higher segments of the central nervous system in specific antibody production; discussion on primary mechanisms of immunity. Zhur, mikrobiol, epid, i immun. 29 no.5:136-140 Nr '58

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova. (ANT IBOD IES. form., role of higher nerv. activity, review (Rus)) (CHNTRAL MERVOUS SYSTEM, physiology, higher nerv. activity, in antibody form., review

(Rus))

KRYLOV, V.N.

Analysis of the physiological basis of so-called depression immunity. Report No.1: Effect of homo-and-heterological bacterial antigenic stimulation and of nonspecific stimuli on the manifestation of depression immunity. Zhur.wikrobiol.epid. i immun. 29 no.6:69-74 Je 158 (XIRA 11:7)

 Is Voyenno-meditsinskoy ordena Lenina akademili imeni Kirova. (IMMUNIT.

effect, of home- & heterol.bact, antigenic stimulation & of non-specific stimuli on depression immun. (Rus))

KRYLOV, V.N.

Analysis of the physiological basis of so-called depressive immunity.

Report No.2: Phenomena of depressive immunity in temporary functional exclusion of the central nervous system. Zhur. mikropiol. epid. i immun. 29 no.10:16-21 0 58. (NIRA 11:12)

 Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova. (IMMUNITY,

tachyphylaxis, eff. of temporary exclusion of CMS (Rus))
(CENTRAL MERVOUS SYSTEM, physiol.
eff. of temporary exclusion on tachyphylaxis. (Rus))

DOLIN, A.O.; KRYLOV, V.N.; LUK'YANENKO, V.I.; FLEROV, B.A.

Recent experimental data on conditioned reflex production and the inhibition of immune and allergic reactions. Zhur.vys.nerv.deiat. 10 no.6:832-841 N-D \*60. (MIRA 14:1)

1. Kafedra fiziologii vysshey nervnoy deyatel nosti Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(CONDITIONED RESPONSE) (ALLERCY) (IMMUNITY)

. ALIKHANYAN, S.I.; KAMKNEVA, S.V.; KRYLOV, V.N.

Experimentally increased frequency of the formation of diploid nuclei in the mycelium of heterokaryons of Penicillium janchewskii. Mikrobiologiia 29 no.6:820-825 N-D '60. (MIRA 14:1)

1. Vsesoyusnyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

(PENICILLIUM) (CHROMOSOMES)

KRYLOV, V.N., polkovnik meditsinskoy sluzhby, dotsent; CSIPYAN, V.T., polkovnik meditsinskoy sluzhby, kand.med.nauk; VESELOV, M.P., podpolkovnik meditsinskoy sluzhby, kand.med.nauk; GOL'DIN, R.B., mayor meditsinskoy sluzhby, kand.med.nauk

Method for studying the seeding of surfaces of various objects with bacteria. Voon.-med. shur. no.4:45-46 Ap '61.

(MIRA 15:6)

(BACTERIOLOGY-TECHNIQUE)

KRYLOV, V.N.; MALINOVSKIY, O.V.

Relationship between the individual features of immunogenesis and typological features of the nervous system of rabbits. Report No.1: Dynamics of agglutinin formation depending on the functional mobility of the nervous processes. Zhur.mikrobiol.epid.i immun. 32 no.1: 10-13 Ja '61. (MIRA 14:6)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova i Instituta fiziologii imeni Pavlova AN SSSR. (CONDITIONED RESPONSE) (IMMUNITY) (AGGLUTININS)

KHYLOV, V.N.; MALINOVSKIY, O.V.

Relationship between individual characteristics of immunogenesis and typological characteristics of the nervous system in rabbits. Report No. 2: Dynamics of the formation of agglutinins in relation to the functional force of neural processes. Zhur. mikrobiol., epid. i immun. 32 no.9:92-96 S \*61. (MIRA 15<sup>1</sup>2)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova i Instituta fiziologii imeni Pavlova AN SSSR. (AGGLUTININS) (CONDITIONED RESPONSE) (IMMUNITY)

RUBIKAS, 1.; KRYLOV, V.N.; ALIKHANYAN, S.1.

Transformation of phage T4rII 250. Genetika no.5:14-18 N '65. (MIRA 19:1)

1. Institut atomnoy energii imeni I.V. Kurchatova, Moskva i Institut botaniki AN Litovskoy SSR, Vil'nyus. Submitted August 23, 1965.

"心学"的 医霍克尔 计多数数数字数据数据数据

#### KRYLOV.V.N.

more selected designation of the

From the history of the application of sampling in prerevolutionary Russia. Trudy Inst.mat.i mekh. AN Ux.SSE no.10 pr.1:62-80 '52. (MERA 8:9) (Sampling (Statistics))

6260. Krylov, V. N. Vyborochnyy metod v ekonomicheskoy statistike. M.,

1953. 35s. 20sm. (in-t ekonomiki akad. Nauk SSSR). 100 ekz. B. ts.- [54-58245]

KRYLOV, V. n.

SO: Knizhamya Latopis' 1, 1955

KRYLOV, VSEVOLOD NIKOLAYEVICH

Epp •R93216

Vyborochnyy Metod V Statistike (The Selective Method in Statistics) Moskva, Gos. Statisticheskoye Izd-vo, 1957.

116 p. Tables

MHC

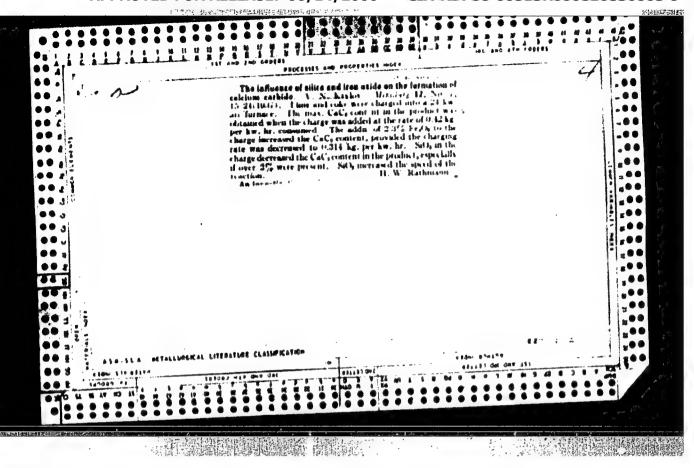
KRYLOV, V.N.; KUZ'HINA, W.K.

Using explosives for unscrewing stuck pipes. Heftianik 2 no.12:26-27 D \*57. (MIRA 11:2)

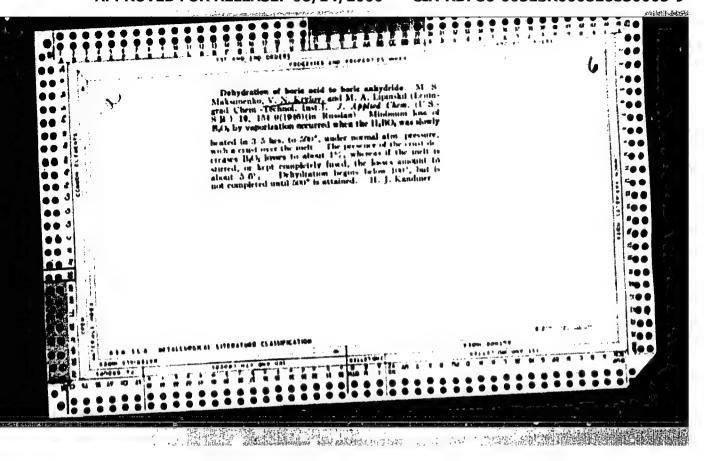
1. Sotrudniki Ysesoyusnogo nauchno-issledovateliskogo instituta Geofiziki.

(Oil well drilling)

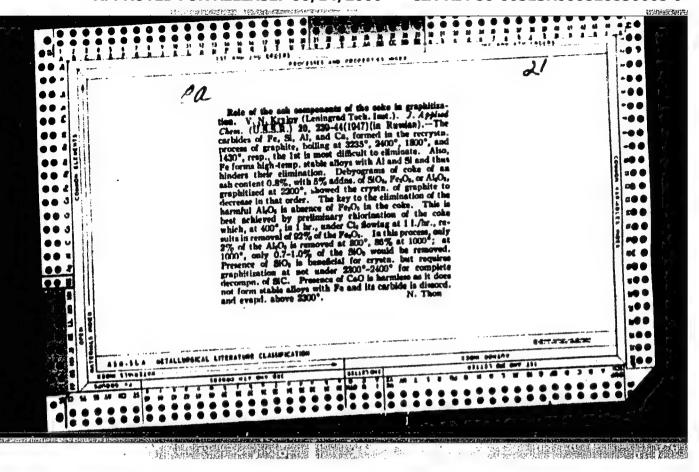
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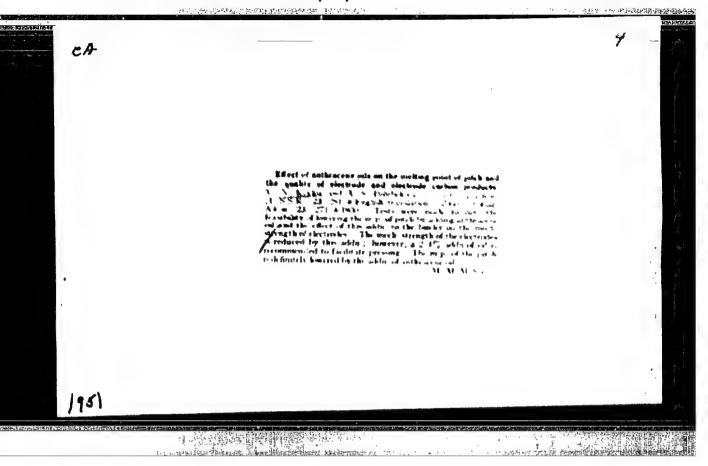
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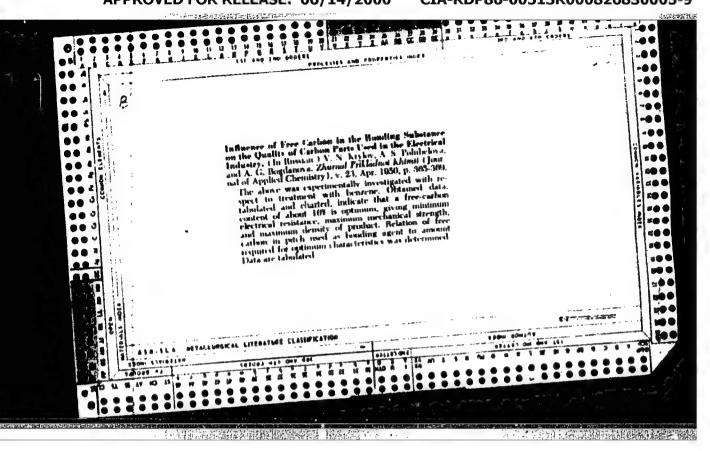
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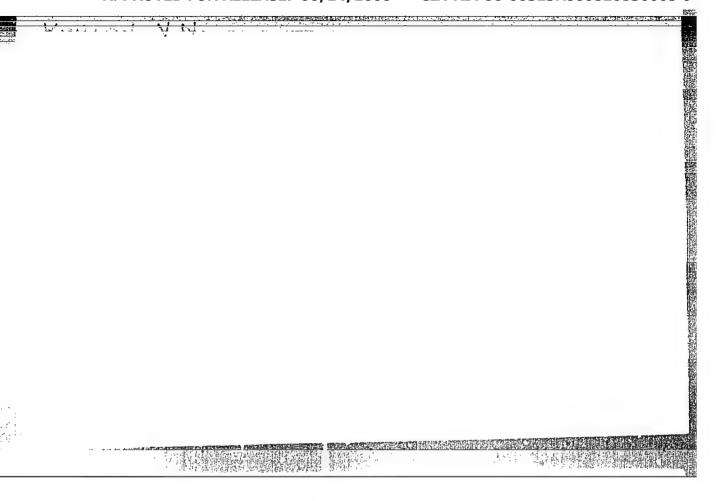


KRYLOV, V. N.

"Investigations in the Technology of Electrodes and Electroceals."
Dr Tech Sci, Chair of Electrothermics, Loningrad Order of Lenin Inst
of Labor Red Banner Technological Inst imeni Leningrad Sevet, Min Higher
Education USER, Leningrad, 1955. (KL, No. 12, Mar. 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

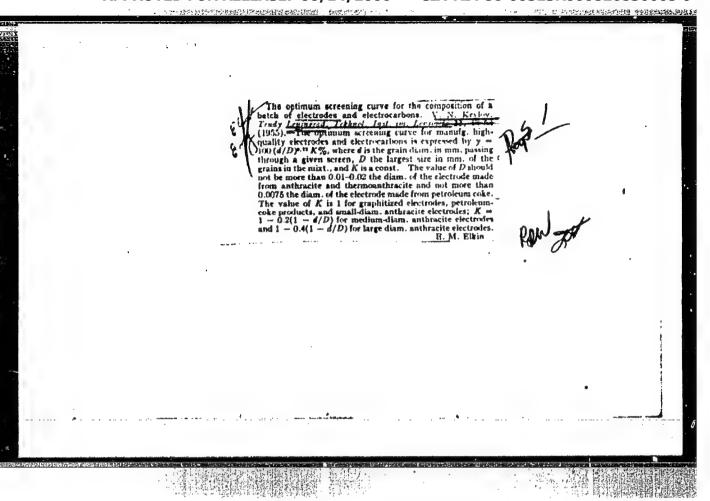
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KRYlov-V	V
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water	The state of the s
	The choice of thermally stable carboniferous materials in the manufacture of electrodes. N. Krybov. Trudy Leningrod. Tethnol. Intl. on. Lenguid 11-24 (1885). The properties of antiracite and petroleum coke were discussed in relation to the thermal stability of electrisdes manufd, from them. The thermal stability was expressed by Kn = (% ash - 30% H)/100. For thermally stable materials, Kn was 1.160 and higher. Other requirements were low H content, high sp. gr., and altence of mineral impurities likely to cause formation of layers in the product. (C.A. 42, 1722/1.
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KAYLLE & TO.

Category: USSR

B-9

Abs Jour: Zh--Kh, No 3, 1957, 7566

Author : Kryl

: Krylov, V. N. : Not given

Title

On the Mechanism of the Electrographitization Process in Coals,

Electrodes, and Electric Coal Products

Orig Pub: Zh. Prikl. Khimii, 1956, Vol 29, No 2, 210-217

Abstract:

A spectrographic and radiographic investigation has been made of thermal anthracite, petroleum coke, natural and synthetic graphite used in electrodes. The starting carbonaceous materials containing H, O, N, and S already possess the beginnings of the structure characteristic of graphite. The phase transformations which occur during graphitization proceed with the maintenance of orientational and structural correspondence. The appearance of a graphite structure is observed when the carbonaceous materials are heated to 1,600°; the graphitization of coals and of materials not

Card : 1/2

-25-

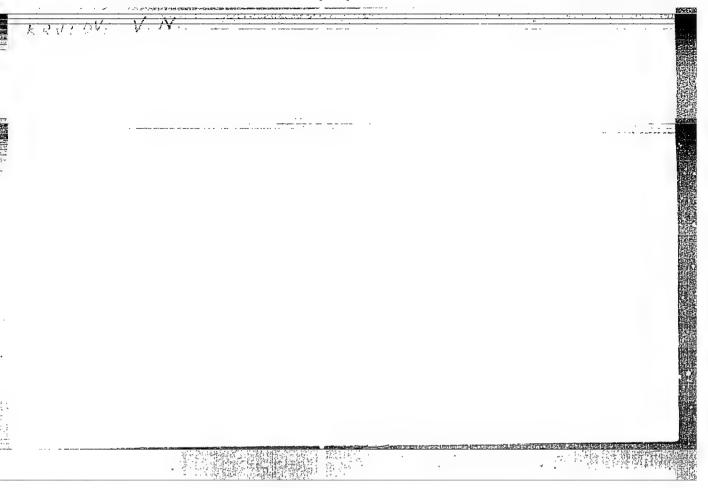
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Abs Jour: Zh--Kh, No 3, 1957, 7566

easily amenable to graphitization requires the application of temperatures of 2,600-3,000° and high pressures. Electrographite produced in an electric arc differs from the natural product by a smaller crystal size and a greater impurities content. Graphitization is inhibited by the presence of impurities adsorbed by the carbonaceous materials. The author is of the opinion that the results obtained by him confirm the principle of nondiffusion phase transformations in solids (Kurdyumov, V. G., Dokl. AN SSSR, 1948, Vol 60, 1543).

Card : 2/2

# "APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826830005-9



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USSR /Chemical Technology. Chemical Products and Their Application

**1-6** 

Mineral salts. Oxides. Acids. Bases.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31245

Krylov V. N., Polubelova A.S. Author

Studies of Dehydration of Bauxite from Different Title

Deposits

Zh. prikl. khimii, 1956, 29, No 5, 698-704 Orig Pub:

It is shown that the starting point of dehydra-Abstract:

tion of bauxite, within the temperature range of 220-470°, depends on the nature of the bauxite and on its grain size. Temperature intervals have been determined which ensure removal of main portion of crystallization water, depending on particle size of bauxite and place of its

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application

I-6

Mineral salts, Oxides, Acids, Bases,

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31245

occurence. Comminution of bauxite promotes lowering of its dehydration temperature. Bauxites calcined below temperature of complete dehydration exhibit considerable hygroscopicity which depends on calcination temperature and conditions of humidification.

Card 2/2

SOV/137-58-9 18556

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 54 (USSR)

AUTHORS: Krylou, V.N., Vil'k, Yu. N.

TITLE: Some Investigations of the Kinetics of Formation of 75%

Ferrosilicon (Nekotoryye issledovaniya po kinetike obrazova

niya 75% nogo terrosilitsiya)

PERIODICAL: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1957, Nr 43, pp 64-67

ABSTRACT:

The rate of formation of 75%-Fe-Si was determined in a Tamman laboratory furnace at temperatures of 1600, 1700, 1800, and 1900°C, as a function of the particle size of the quartz sand, the nature of the reductant, and the temperature. It has been established that the size of the sand particles has a significant effect only at temperatures up to 1700°. The process of reduction with charcoal develops its maximum intensity during the first stage, the greatest reduction rate being then achieved with the aid of petroleum coke. Maximum Si content is obtained at 1800° at an exposure time of 30 minutes. The beginning of SiO<sub>2</sub> evaporation was observed at 1600°. Bibliography: 6 references.

1. Iron silicon alloys—Development 2. Furnaces—Performance

3. Iron silicon alloys--Reduction 4. Temperature--Effectiveness

Card 1/1

85134

11110 2708,2208,2308

S/137/60/000/008/003/009 A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 8, p. 182, # 17947

AUTHORS: Krylov, V. N., Trots, A. A.

TIME: Coating and Fluxes for High-Speed Electric Cutting of Steel

FERTODICAL: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1959, No.53, pp. 102-105

TEXT: Investigations were made of high-speed cutting of steel using electrodes with different coatings, and fluxes assuring reduced melting temperature of the cut metal and higher liberation of heat in the cut. Grade "20f" (200) 6-mm thick steel was cut by 180 - 200-amp current using electrodes with chalk and conventional coatings, fluxes and coatings with FeSi, FeMn and graphite in various proportions. The electrode consumption and the outting time are calculated per one meter of cut steel. Highest cutting speed was attained when using 7-mm-diameter-electrodes and fluxes or coatings of FeSi + FeMn composition at a 1:1 ratio; cutting time was 5 minutes, specific electrode consumption 960 mm, electrode metal consumption 246.7 g. The cutting time was reduced by a factor of

Card 1/2

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S/137/60/000/008/003/009 A006/A001

Coating and Fluxes for High-Speed Electric Cutting of Steel

3 as compared to chalk coatings; specific electrode consumption by about twice; electrode metal consumption by about 1.5 times. At an electrode diameter, reduced from 7 to 4 mm, outling time for a chalk coating increased 2.5 times (39 min). For FeSi + FeMn flux at a 1: 1 ratio the cutting time changed insignificantly. Lowest electrode consumption per metal weight is attained when using FeMn fluxes and coatings composed of FeSi + graphite at a 3: 1 ratio: at a 4-mm electrode diameter the electrode metal consumption is then 173 and 130.6 g respectively; cutting time is 17 min 57 sec, and 10 min; at an electrode diameter of 7 mm the electrode metal consumption increases to 265.7 and 259 g respectively, cutting time is reduced to 8 min 22 sec and 8 min 37 sec.

V. B.

Translator's note: This is the full translation of the original Russian abstract,

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Card 2/2

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Production of calcium carbide, electrical carbon and graphitised articles from the coke of shale tar. Khim. i tekh. gor. slan. i prod. ikh perer. no.8:139-151 160. (MIRA 15:2) (Calcium carbide) (Oil shales)

AUTHORS:

Krylov, V.M.; Khrushchev, M.S.

TITLE:

The King los of 75-% Ferrosilicon Formation from Quartzites of

Diffe: Deposits

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya,

1960, No. 10, pp. 84 - 95

TEXT: The purpose of this investigation was to determine the role of the quartzites microstructure in the process of the formation of 75-per cent ferrosilicon. Quartzites from three deposits were studied - from the Karaul'naua mount Bakal'skoye, and Zolotaya Sopka, designated with KN, K5 and KK (KP, KB and KK). The samples were studied by the Chelyabinskiy ferrosplavnyy zavod (Chelyabinsk Ferroalloy Plant); the composition and structure is different. An installation of Institut khimii silikatov AN SSSR (Institute of Silicates Chemistry of the Academy of Sciences USSR) with micro-scales was used for thermographic analysis. The ferrosilicon melting process was studied in 1700 - 1900°C in a tubular electric furnace with stepped temperature control; the quartzites had a grain size of between 0.075 and 0.60 - 0.80 mm; the duration of the experiments was 5 - 40 min; the

Card 1/5

The Kinetics of 75-% Ferrosilicon Formation from Quartzites of Different Deposits

samples were melted in 6 graphite crucibles placed into a graphite tray. The charge was composed by the equation  $SiO_2 + 2C = Si + 2CO$ . The curves (Fig. 3) obtained proved that the speed of ferrosilicon formation cannot be described by one general equation. Analytically, the curves 1,2 and 3 (Fig. 3) were described with sufficient accuracy for ferrosilicon formation at up to 1700°C by the formula [Si] = m /t (1) where [Si] is the Si content in melt (in %); m - the coefficient depending on the nature of the quartzites, the diameter of the particles, and the temperature; t - the isothermic holding time in furnace, in min. This equation has no maximum, and the process has practically to be endless to obtain 75% Si. The process does not end at 1700°, and it was not possible to obtain more than 20 - 25° Si. At 1800° and higher the process is different (Fig. 4) and can be expressed by the equation [Si] =  $at^2$  + bt +  $\frac{c}{t}$  + d (2) where a,b,c and d are coefficients depending on the quartzites structure, particles diameter, and temperature. This equation has a maximum showing that the process ends. The real Si content in the melt was 10-14% below that calculated, which may be explained by volatilizing of Si, SiO2 or SiO, as was revealed by Mikulinskiy and Maron (Ref. 8). It was concluded that the rate of ferrosilicon formation depends to a considerable degree on the particles diameter and the structure of the quartzites, particular-Card 2/5

The Kinetics of 75-% Ferrosilicon Formation from Quartzites of Different Deposits

ly at the beginning of the process before liquefying. The maximum Si content in the melt was obtained at 1800°C, and with PK quartzite particles' diameter of 0.12 mm; the maximum ferrosilicon formation rate from the same quartzite at the same temperature was observed at 0.25 mm particles' diameter. The 1850 - 1900°C range may be considered the optimum. The laboratory data were confirmed in the practical process at the Chelyabinsk Ferroalloy Plant with KK quartzites (the ferrosilicon formation process was faster than the KK grade in the Laboratory), but the KK grade proved unsuitable for melting in stationary electric furnaces with an open top. The best furnace design is expected to be with a rotating bath and tight—sealed top. It was concluded that in principle the formation reaction of 75-per cent ferrosilicon is

 $\begin{array}{c}
\text{SiO}_{2}, \text{ Fe, C} \\
\text{SiO}_{2} & \rightarrow \text{Si}_{\text{Fe}}
\end{array}$   $\begin{array}{c}
\text{SiO}_{2}, \text{ Fe, C} \\
\text{SiO}_{2} & \rightarrow \text{SiC} \xrightarrow{\text{SiO}_{2}, \text{ Fe, C}} \text{Si}_{\text{Fe}}
\end{array}$ 

Card 3/5

The Kinetics of 75-% Ferrosilicon Formation from Quartzites of Different Deposits

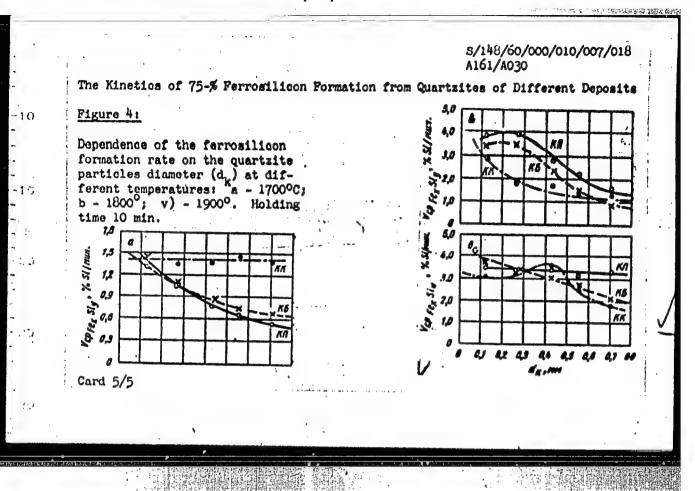
and the interaction of silicon carbide with SiO<sub>2</sub> and iron limits the formation. There are 7 figures and 13 references: 11 Soviet, 1 French and 1 English.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta (Leningrad

Technological Institute imeni Lensovet)

SUBMITTED: January 16, 1960

Card 4/5



CIA-RDP86-00513R000826830005-9

367/2 2-3-21/41

AUTHORS:

.5-00

Digonskiy, V. V., Erylov, V. II.

PITLE:

Concerning Graphite Formatic

CERTODICAL:

Zhurani prikindaoy khimil. 1966, Vol 43, Nr 3,

pp 723-729 (USSR)

ABSTRACT:

This is a discussion on the forms to which pure carbon is obtained in pyrolytic resetions. The thermal decom-

position of hydrobarbons of type Callet or Callents

does not yield pure carbon, but yields thatead a high gurbon content hydrocarbon Call, where m 15 gs small as

desired. Single graphite layers exist only at high temperatures; under normal condition; graphite may be represented by Joined stacked layers consisting of

hexagonal crystals which are the stable form of graphite under various conditions of its formation. A formula was established to determine the mean diameter

of graphite crystals in earlion compount, depending on

the percent content of hydrogen and carbon:

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 $d = \sqrt{\frac{3KS}{\pi}} \; .$ 

where K=1+3n(n-1); n=C/H (in §); S is the surface of a single hexagonal "benzene ring" of the graphite layer and equals, according to X-ray analysis, 5.217 square A. For acetylene black, containing about 1% hydrogen, n=8; hence, K=109, and d=33.5 A, which roughly approximates the result of direct X-ray measurements (21 A). There are 2 figures; and 4 Soviet

SUBMITTED:

May 22, 1959

Card 2/2

Effect of the nature and dispersity of silicon-containing ores on the kinetics of the formation of 75% ferrosilicon. Zhur. prikl.khim. 33 no.4:815 Ap '60. (MIRA 13:9) (Iron-silicon plloys)

S/080/60/033/007/006/020 A003/A001

AUTHORS:

Digonskiy, V. V., Krylov, V. N.

TITLE:

The Vectorial Character of the Properties of Industrial Graphitized Articles Caused by the Electromagnetic Field of a Graphitizing

Furnace

PERIODICAL: Zhurnol prikladnoy khimii, 1960, Vol. 33, No. 7, pp. 1530-1538

TEXT: The effect of an electromagnetic field on the quality of electrodes during graphitization was proved. The magnetic susceptibility of natural graphite in the direction perpendicular to the hexagonal lattices is under normal conditions -21.5 : 10<sup>-0</sup>, but in the direction parallel to the hexagonal lattices it is -0.5 · 10<sup>-6</sup>, i. e., \$3 times greater. The magnetic susceptibility of industrial articles of graphite was investigated in three mutually-perpendicular directions: lengthwise, vertically and across. Test samples 10x10x100 mm were cut from graphitized articles with an accuracy of + 0.5 mm. The magnetochemical analysis of anisotropic substances in a non-homogeneous electromagnetic field was carried out here for the first time. It was shown that the highest value of magnetic susceptibility corresponds to the vertical

Card 1/3

3,4000

s/154/60/000/003/001/001 B012/B051

AUTHOR:

Kondrashkov, A. V.. Candidate of Technical Sciences, Docean

TITLE:

On the Photoelectric Range Finder With a Mechanical

Modulator

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy Gecdeziya i

aerofotos"yemka, 1960, No. 3, pp. 31 - 36

TEXT: The present paper is a critical review of the publications of H. Ellenberger (Refs. 1,2), as well as of his lectures given in 1957 during the International Courses for Geodetic Surveying in Munich. Ellenberger spoke about the mode of operation, block diagram, and con struction of photoelectric range finders with a mechanical modulator of the light current and a visual observation of the reflected light. It is pointed out that a range finder with a mechanical modulator was also suggested by V. A. Velichko and K. A. Timerbulatova (Author's Certificate No. 108030 of December 1, 1956). Ellenberger tries to compute the possible accuracy of measurement with such a range finder. He supposes that the light signals produced by the modulators of the range finder

Card 1/3

On the Photoelectric Range Finder With a Mechanical Modulator

\$/154/60/000/003/001/001 B012/B051

1704

form square pulses. In this connection it is pointed out that G. Möngh (Ref. 3) has shown that a light current emerging from such a modulator changes with time, thus producing triangular and not square pulses (Fig. 2). It is shown that for the range finder described the distance between neighboring maxima and minima of triangular pulses is 30 to 35 m. Furthermore, it is pointed out that Ellenberger uses the terms of ways. length and oscillation frequency where these terms are related only to harmonic oscillations. The representation of the theory of the range finder used in the papers (Refs. 1,2) offered Ellenberger no opportunity to determine the probable accuracy of the instrument. It is printed but here that the theory of the range finder can be presented also in a different way. One can use the commonly accepted terms of the frequency and wavelength of harmonic oscillations if one represents the law of change in the light current by a Pourier series. Thus, not only the necessary accuracy and correctness of the representation is achieved, but it is also possible to determine the probable accuracy of distance measurement by means of a range finder. Formula (6) is deduced which allows the probable accuracy of distance measurement to be estimated by means of a range finder with a mechanical modulator. It is shown that a

Card 2/3

IVANOV, A.B.; KRYLOV, V.N.

Process of sulfur removal from petroleum coke at high temperatures and its kinetics. Zhur. prikl. khim. 33 no.9:2001-2008 S 160.

(MIRA 13:10)

(Sulfur) (Petroleum coke)

25650 s/080/60/033/012/003/024 D209/D305

15.2250

AUTHORS:

Digonskiy, V.V., and Krylov, V.N.

TTLE:

The character of interplannar bonds in graphite and

their dependence on temperature

PERTODICAL: Zhurnal prikladnoy khimii, v. 33, no. 12, 1960,

2638 - 2643

TEXT: In their earlier work the authors described the graphite lattice as appolyvalent radical, whose existence was found possible at high temperatures. They also showed that, on cooling, an association of rudicals occurred with the formation of chemical bonds resulting from the unsatisfied valencies of carbon atoms in the adjacent graphite layers. Since such a theory of graphite crystal formation has not been accepted the authors found it necessary to continue the investigations to prove the existence of chemical continue between carbon atoms of the adjacent layers. It is known bonding between carbon atoms of the adjacent layers. that the conductivity of metals, having a characteristic metallic

Card 1/6

25650 S/080/60/033/0 2/003/024 D209/D305

The character of interplannar ...

bonding between atoms, decreases as the temperative increases. In the case of graphite the conductivity along the layers increases with increasing temperature. This fact may be explained by the rupture of the interplannar chemical bonds, thereby liberating the valency electrons and increasing the number of current carriers (conductivity electrons). The common representations of space lattice of graphite give no indication of chemical bonding between carbon atoms of the adjacent layers. This, according to the authors should be rectified. In Figs. 1 and 2 the structures of graphites I and II are represented as they should be when chemical bonding is present. It is known that both artificial and natural graphites contain 80% of structure I and 14% of structure II, the remaining 6% being some other structure. The main difference between graphites I and II is that in the crystal of graphite II, the lattices are replated every two layers and the graphite I every other layers In graphite I carbon atoms between adjacent layers are chemically bonded, the distance between them being 3.35 %. The bonds alternate in such a manner that a carbon atom in any lattice is bon-

Card 2/6

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25650 8/080/60/033/012/003/024 D209/D305

The character of interplannar ...

ded through one bond with a carbon atom of the upper and the lower layers. The direction of the four valency bonds of each carbon atom are characterized by the angles between the bonds, being equal to  $120^{\circ}$ ,  $120^{\circ}$ ,  $120^{\circ}$ ,  $90^{\circ}$ ,  $90^{\circ}$ ,  $90^{\circ}$ . The structure of graphite II on the other hand resembles that of diamond if the latter is examined along one of the diagonals of its unit cell. The distribution of interplannar chemical bonds in graphite is assumed to alternate at an angle of  $113^{\circ}$ . Only under such conditions can the valency of carbon be equal to 4. The length of interplannar valency bond, at an angle of  $113^{\circ}$ C, is 3.63 Å and the valency angles in that layers are equal to  $120^{\circ}$ ,  $120^{\circ}$ ,  $120^{\circ}$ ,  $120^{\circ}$ ,  $83^{\circ}$ . Although chemical bonds of 3.35 and 3.63 Å are not found in any of the examined hydrocarbons the authors still maintain the bond is chemical, although array weak one. In the second part of their work the authors provide the results of high temperature X-ray analysis of an artificial graphite mark EG-0 characterized by the resistivity of  $p = 9.3 \cdot 10^{-4} \Omega$ . The results are tabulated. The data was obtained by using  $1 \times 15 \times 5$  mm graphite specimen which was subjected Card 3/6

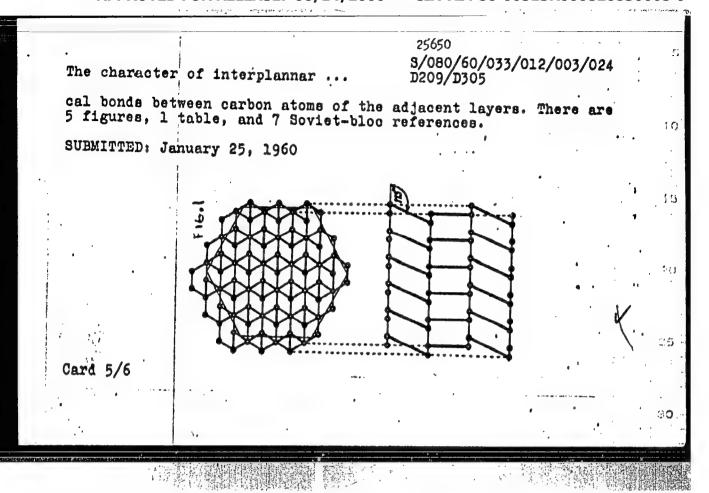
25650 S/080/60/033/012/003/024 D209/D305

The character of interplannar ...

to x-rays at temperatures of 25 - 700°C. The changes of parameter "C" were determined by measuring the decrease of diameter of the 002 diffraction ring with increasing temperature. The results showed that in the above temperature range "C" increases by 3.0 %, while according to calculated alues (using the coefficient of linear expansion of graphite) it should only increase by 0.5 %. It may be concluded, therefore, that the increase of the parameter "C" occurs as a result of compression of the graphite crystals. This compression also explains the fact that the mechanical strength of graphite increases with temperature, up to 2500°C. The above is confirmed in A.Kh. Breger and G.S. Zhdanov (Ref. 7: DAN SSSR, 28, 1940), who determined the electron density in graphite along a normal to the 001 plane. According to their results, 15 - 16 % of the total electron density is found between the layers which corresponded to one electron per each carbon atom in the graphite. The continuity of electron density distribution between the layers, as shown graphically by the above authors, shows an overlap of the electron clouds and, therefore, proves the existence of the chemicard 4/6

# "APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826830005-9



DONSKOY, Aleksandr Vasil'yevich; KULYASHOV, Sergey Mikhaylovich;
KRYLOV, V.N., doktor tekhn. nauk, retsenzent; SOKOLOV, A.N.,
kand. tekhn. nauk, red.; ZHITNIKOVA, O.S., tekhn. red.

[Electrothermics] Elektrotermiia. Moskva, Gos. energ. izd-vo, 1961. 311 p. (MIRA 15:2)
(Electric furnaces) (Induction heating)

YERSHOV, V.A.; KRYLOV, V.N.

Transfer of pheophorus compounds from charges to calcium carbide.

Zhur.prikl.khim. 35 no.7:1441-1448 J1 '62. (MIRA 15:8)

(Phosphorus compounds) (Calcium carbide)

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Obtaining calcium carbide, carbon-electrode and graphitized articles from the chamber-furnace coke and tar pitch formed in the refining of Baltic shales. Khim. i tekh. gor. slan. i prod. ikh perer. no.114358-365 '62. (MIRA 17:3)

Ser. biol. no.4:542-549 J1-Ag '65.

ALIKHANYAN, S.I.; GRIMBERG, K.N.; KRYLOV, V.N.; MAYSURYAN, A.N.; OGANESYAN, M.G. Temperature-sensitive mutations of T4B bacteriophage. Izv. AN SSSR. (MIRA 18:7)

1. Institut atomnoy energii im. I.V.Kurchatova.

### "APPROVED FOR RELEASE: 06/14/2000

#### CIA-RDP86-00513R000826830005-9

ETT: -1-ETT. e)/ETC(f)/ETF(t)/ETT\_\_\_1,T(c) JP/YH/HH/JS/AT/MI ACC NR: AP6012841 SOURCE CODE: UR/0080/66/039/004/0749/0754 AUTHOR: Bitin'sh, A. S.; Krylov, V. N. ORG: Leningrad Technological Institute im. Lensovet (Leningradskiy tekhnologicheskiy TITLE: Preparation of ferrites of the NiO-ZnO-Fe2O3 system by fusion SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 4, 1966, 749-754 TOPIC TAGS: ferrite, nickel compound, zinc oxide, iron oxide, magnetication ABSTRACT: A systematic study of fused ferrites in the NiO-ZnO-Fe $_2$ O $_3$  system was carried out by using chemical, x-ray diffraction, microstructural, thermal, and magnetic analyses. The fusion method used for preparing the ferrites consisted in burning a mixture of iron and nickel metal powders with the zinc oxide powder in a stream of oxygen. Because of the high temperature arising in the melt, the fusion products contain magnetite. The FeO content varies from 14,65 to 31 wt. % depending upon the initial composition. It was found that sintering in oxygen of fusion products which have been ground and pressed with a plasticizer can produce dense articles with a minimum magnetite content (up to 1 wt. % FeO), the maximum temperature of sintering in oxygen being 1300C. Products made of ferrites of the NiO-ZnO-Fe<sub>2</sub>O<sub>3</sub> system were shown to have a higher Curie point than products made of Card 1/2 UDC: 542.943+549.731.1

# L 33485-66

#### ACC NR: AP6012841

nickel-zinc ferrites obtained by decomposing a mixture of sulfates. The specific magnetization of fused ferrites, measured at room temperature, reaches values of about the same order as those of products obtained by thermal decomposition of sulfates. On the basis of the proposed mechanism of formation of fused ferrites of the NiO-ZnO-Fe<sub>2</sub>O<sub>3</sub> system, zinc oxide was shown to have a decisive influence on the magnetic content of the fused products. Orig. art. has: 4 figures and 1 table.

SUB CODE: //, 07 / SUBM DATE: 10Jun65 / ORIG REF: 004 / OTH REF: 005

Card 2/2 97

### "APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826830005-9

L 24527-66 EMT(m)/EWA(d)/I/EWP(t) IJP(c) JD/HW/WB

ACC NR: AP6011018 SOURCE CODE: UR/0080/66/039/003/0696/0698

AUTHOR: Bitin'shi, A. S.; Krylov, V. M.

ORG: Leningrad Technological Institute imeni Lensoveta (Leningradskiy tekhnologicheskiy institut)

TITLE: Preparation of nickel ferrite by fusion in an ultrasonic field

सम्बद्धाः । १९१५ अनुसारम् । अन्यस्त १६८ । १० १ ।

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 3, 1966, 696-698

TOPIC TAGS: ferrite, nickel compound, iron oxide, ultrasonic field, cavitation.

ABSTRACT: The purpose of the study was to determine the effect of an ultrasonic field on the preparation of fused ferrites of the NiO-Fe<sub>2</sub>O<sub>3</sub> system at various ratios of the initial components (carbonyl iron and nickel powder). Mixtures of the latter were burned in a stream of oxygen; ultrasound with a frequency of 23 Kc and an intensity of 2.0 W/cm<sup>2</sup> was applied while the mixtures were being melted. The products obtained were checked by chemical, x-ray, and microstructural analysis. Ultrasound was found to decrease the magnetite content considerably and to promote the formation of nickel ferrite. X-ray phase analysis showed the products to be solid

Card 1/2 .....

UDC: 542,943 + 549.731.1 + 66.084

In the formati lapse oxide conditions	melt, the contract of these in the melting effection.	e ultraso aces fill spaces a alt acted at of the	rite and magne ound gives ris led to a great s a result of upon by ultre ultrasonic fi s: 1 figure.	e to cavit er or less strong sho sound in a	ation ph er exten ck waves .stream	enomena control with gas The oxion of oxygen	nsisting, and indicated and in	n the col- of ferrous ained by the	1
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ALIKHANYAN, S.I.; MINDLIN, S.Z.; SUKHODOLETS, V.V.; KRYLOV, V.N.

Some current problems in the genetics of micro-organisms.
Antibiotiki 7 no.9:841-852 S '62. (MIRA 15:12)

1. Institut atomnoy energii imeni Kurchatova AN SSSR. (GENETICS) (MICROBIOLOGY)

KRYLOV, V.N.

Molecular mechanisms of chemical mutagenesis. Zhur.VKHO 8 no.1: 46-55 163. (MIRA 16:4) (Variation (Biology)) (Biochemistry)

ALIKHANJAN, Sz.I. [Alikhanian, S.I.]; MINDLIN, Sz.Z. [Mindlin, S.Z.];
SZUCHODELEC, V.V. [Sukhodelets, V.V.]; KRYLOV, V.N. [Krylov, V.N.];
SZABO, Gabor, dr. [translator]; IVANOVICS, Gyorgy, prof.dr.
[translator]

Some newer problems relating to the genetics of microorganisms. Biol kosl 10 no.2187-96 '62.

1. Szovjet Orvostudomanyi Akademia Kurcsatovrol elnevezett Atomenergiai Intesete (for Alikhanian, Mindlin, Sukhodelets, Krylov).

\*

TERCHE No., L.I.; IL'I. A., T.S.; KANDHUWA, S.J.; R.YICV, J.A.;
ILI OV. RAYA, N.D.; EMEDLIN, C.Z.; EMERGAOV, V.B.; ECKOLOVA,
Ye.V.; LUKHOSOLETU, I.V.: JAHHAROV, I.A.; ILOS-VECTTO CV,
S.G.; EVITKO, K.V.; KAIVISSKIY, A.J.; RAHALEVICH, Yu.H.;
DEGEL GARDT, V.A., Akademik, glav. red.; ALIKERNYAH, ..I.,
prof., red.; IL'HEA, T.S., red.

[Genetics and variation of micro-organisms] Genetika i selektoiia mikro-organizmov. Monkva, Mauka, 1964. 304 p. (MIAA 17:9)

1. Institut atemnoy emergii imeni 1.V. Kurchatova (for herokhina, il'ina, Kameneva, Erylov, Lomovskaya, Fimilin, hikiforov, Sokolova, Sukhodolets). 2. Kafedra genetiki Leningradskogo gosudarstvennogo universiteta (for Zakharov, Ingo-Vechtomov, Kvitko). 3. Institut radiatsiomov i fiziko-khimicheskoy biologii (for Krivitski;). 4. Institut mikro-biologii AN SSSR (for Karasavich).

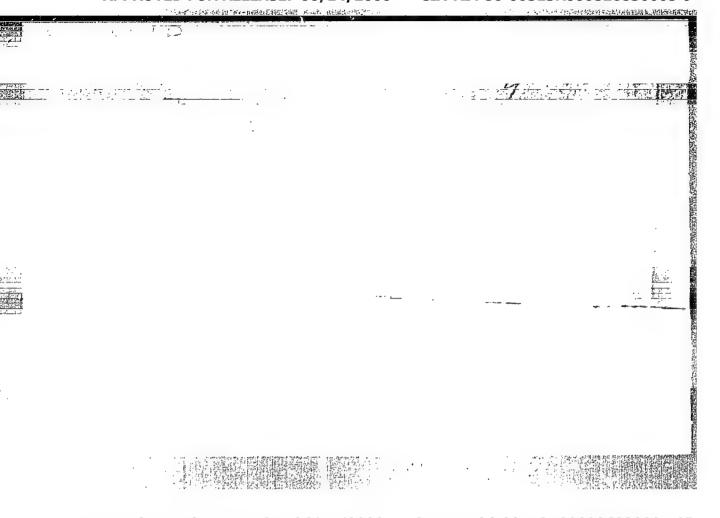
KRYLOV, V.P.

Make better use of by products. Bum.prom. 37 no.6:23-24 Je 162. (MIRA 15:6)

1. Starshiy master tsokha regeneratsii Solombal'skogo kembinata.
(Woodpulp industry---By-products)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826830005-9



一个在此人们可以分析的一种自然,全种相似是自己的是性。 这一些的意思

BRUSHNTSOVA, V.N., inzh.; KRYLOV, V.P., inzh.; SAVEL'YNVA, Ye.G., inzh.

Increasing the wear resistance of aluminum alloys by chromium plating. [Trudy] RATI no.18:3-21 '59. (MIRA 12:7)

(Aluminum alloys) (Chromium plating)

一一 "在在海岸市中的,全部建筑建筑市市的建设

# USDR/Electricity - Transformers Veltage Regulation "Gesteaswet" Plant

"Autotransformers With Continuous Voltage Regulations," A. B. Podel 'mer, S. V. Krestnikov, Engineers, G. K. Aladshalov, V. P. Krylev, S. G. Fel 'dman, "Gosteasvet" Plant, Nessow

"Elektrichestes" He 6, pp 26-30

Describes series of antotransformers which provide continuous voltage regulation under load, and gives principles underlying their design. These transformers were designed and put into series production by the "Gostessvet" plant. I Submitted 9 Dec 50.

PA 196725

KRYLOV, V.P., inzh.

Use of nometallic brake shoes for the rolling stock of railroads. Trudy VNITI no.16:78-95 '62. (MIRA 17:1)

## "APPROVED FOR RELEASE: 06/14/2000

## CIA-RDP86-00513R000826830005-9

KONCHEVA, K.A., inth.: MRY.CV, V.O., inth.

Cocomovive wheel flange lubricators. Trudy VNITI no.19:157
[NDR\* 18:3]

AUTHORS:

Drozdov, N. S., Krylov, V. P.

SOV/156-58-2-35/48

TITLE:

The Formation Conditions of Violuric Acid and of the Violurates When Nitrite Acts Upon Barbituric Acid (Usloviya obrazovaniya violurovoy kisloty i violuratov pri deystvii

nitrita na barbiturovuyu kislotu )

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp. 342 - 345 (USSR)

ABSTRACT:

The formation of the salts of the (5-isonitroso-barbituric acid) acid mentioned in the title has been known since almost 100 years, the reaction conditions of this process remain, however, unknown. The initial experiments of the authors proved that in contrast to concentrated solutions those with only 0,01 M nitrite do not show immediately the characteristic viclurate color, but only after they are kept at 100° for 10 - 20 minutes. The color is produced with different velocity in individual experiments and is of different stability. Therefore the investigation of the said reaction in diluted solutions is the purpose of the present paper. The experiments were carried out at barbituric

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